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on

Recent Conchology

By

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ON

RECENT CONCHOLOGY.

EXTRACTED FROM

A LIST OF AMERICAN WRITERS ON RECENT CONCHOLOGY.

ashington
By GEORGE W. TRYON, JR.,

Member of the Academy of Natural Sciences of Philadelphia.

JANUARY 1, 1861.



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(S:O best) also found the following to be helpful:

Chapman & Hall Ltd., London, 1962. Pp. viii + 212. £1.50.

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Letters to Louis A. St. John of Dioros. (From Sept 18 1881.)

Scattóval völ hér meðstöðum annars og ófá til heimsins ófá til heimsins

Ascoli II modicum A nisusco et mundum a te considero nullum.

“*Asiaticus*” ist ein Roman von Leo Tolstoi, der 1900 erschien.

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Tryon, George Washington
Publications of Isaac Lea on recent
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LEA, ISAAC, LL.D., Philadelphia.

IN PROCEEDINGS OF THE AMERICAN PHILOSOPHICAL SOCIETY, PHILA.

Including Remarks made by Mr. Lea, before the Society.

Description of Melania Cincinnatiensis. (Read Dec. 21.)

Vol. i., No. 5, p. 66. Nov.-Dec., 1838.

Description of Nineteen new species of Colimacea. (Read February 21.)

Vol. i., No. 10, p. 173. Jan.-Feb., 1840.

Description of New Freshwater and Land Shells. (Read Oct. 2.)

Vol. i., No. 13, p. 285. Aug.-Oct., 1840.

Continuation, (Read January 15th,) Vol. ii., No. 16, p. 11. February, 1841.

Continuation, (Read February 19th,) Vol. ii., No. 17, p. 30. March-April, 1841.

Continuation, (Read June 18th,) Vol. ii., No. 19, p. 81. July-Oct., 1841.

Continuation, (Read October 21st,) Vol. ii., No. 23, p. 224. July-Oct., 1842.

Continuation, (Read December 16th,) Vol. ii., No. 24, p. 242. Nov.-Dec., 1842.

Continuation, (Read May 16th,) Vol. iv., No. 33, p. 163. May-Aug., 1845.

Statement that Melania Altilis, hitherto supposed to be southern, is found in the Schuylkill River. (March 4th.)

Vol. ii., No. 21, p. 150. January-April, 1842.

On Turbinated and Discoidal Shells. (November 18th.)

Vol. ii., No. 24, p. 234. Nov.-Dec., 1842.

Change of Specific Names of Melaniæ. (December 2d.)

Vol. ii., No. 24, p. 237. Nov.-Dec., 1842.

Remarks on a Paper by Mr. Agassiz, in Proceedings Bost. Soc. (March 21st.)

Vol. v., No. 46, p. 187. January-July, 1851.

On the size and weight of Uniones. (April 4th.)

Vol. v., No. 46, p. 191. January-July, 1851.

Letter to Louis Agassiz on Uniones. (Read Sept. 16, 1851.)

Vol. v., No. 47, p. 220. July, 1851-Feb., 1852.

List of Shells described in three papers prepared for the Transactions. (March 5th, 1852.)

Vol. v., No. 48, p. 251. Feb.-Dec., 1852.

On the existence of a Fulcrum in certain American Helices. (March 5th, 1852.)

Vol. v., No. 48, p. 253. Feb.-Dec., 1852.

Mr. Lea's written Papers here published, are all elaborated in the "Transactions," of the Philosophical Society.

LEA, ISAAC, LL.D.—(Continued.)

IN TRANSACTIONS OF THE AMERICAN PHILOSOPHICAL SOCIETY.
NEW SERIES.

These papers are all issued separately in Pamphlet, and are also contained in the "Observations on the Genus Unio," &c.—a work in eight quarto volumes by Mr. Lea.

Description of six new species of the Genus *Unio*, embracing the anatomy of the Oviduct of one of them, together with some A natomical Observations on the Genus. (Read Nov. 2, 1827.)

Vol. iii., p. 259. 1830. (Printed Paper distributed 1828.)

Description of a New Genus of the Family of Naïades, including eight species, four of which are new; also the description of eleven new species of the genus *Unio* from the Rivers of the United States, with Observations on some of the Characters of the Naïades. (Read March 6th, 1829.)

Vol. iii., p. 403. 1830. (Printed Paper distributed May or June, 1829.)

Observations on the Naïades and descriptions of new species of that and other Families. (Read May 7, 1830.)

Vol. iv., p. 63. 1834. (Printed Paper distributed 1831.)

Supplement. (Read May 20, 1831.)

Vol. iv., p. 105. 1834. (Printed Paper distributed 1831.)

Description of a new genus of the Family *Melaniana* of LAMARCK. (Read January 7th, 1831.)

Vol. iv., p. 122. 1834. (Printed Paper distributed 1831.)

Observations on the Naïades, and descriptions of new species of that and other Families. (Read March 16th, 1832.)

Vol. v., p. 23. 1837. (Printed Paper distributed August or September, 1834.)

Supplement. (Read March 15, 1833.)

Vol. v., p. 59. 1837. (Printed Paper distributed Aug. or Sept., 1834.)

Second Supplement. (Read February 7th, 1834.)

Vol. v., p. 95. 1837. (Printed Paper distributed Aug. or Sept., 1834.)

Third Supplement. (Read April 18, 1834.)

Vol. v., p. 114. 1837. (Printed Paper distributed Aug. or Sept., 1834.)

Description of new Freshwater and Land Shells. (Read Dec. 19th, 1834.)

Vol. vi., p. 1. 1839. (Issued in Synopsis, 1st edition, 1836.)

LEA, ISAAC, LL.D.—(Continued.)

Continuation—Read Jan. 2d, 1835.—Vol. vi., p. 19. 1839. (Issued in Syn. 1st ed., 1836.)

"	" Sept. 18,	"	p. 21.	"	"	"	"	"
"	" Feb. 5, 1836.	"	p. 23.	"	"	"	"	"
"	" July 15,	"	p. 48.	"	"	"	"	"
"	" Aug. 19,	"	p. 69.	"	"	"	"	"
"	" Nov. 4,	"	p. 73.	"	"	"	"	"
"	" July 21, 1837.	"	p. 95.					
"	" Jan. 5, 1838.	"	p. 103.					
"	" Jan. 19,	"	p. 108.					

Synopsis of the Family of Naiades.

Vol. vi., p. 113. 1839.

On the Patella amaena of SAY. (Read March 6th, 1840.)

Vol. vii., p. 73. 1841.

Descriptions of nineteen new species of Colimacea. (Read February 21, 1840.)

Vol. vii., p. 455. 1841. (In Proceedings January–February, 1840.)

Descriptions of new Freshwater and Land Shells. (Read Jan. 15th, 1841.)

Vol. vii., p. 163. 1843. (In Philos. Proceedings, February, 1841.)

Continuation—Read Dec. 21, 1838.—Vol. viii., p. 190. 1843. (In Philos. Proc. Dec. 1838.)

"	" Oct. 2, 1840.	"	p. 191.	"	"	"	" Oct. 1840.)
"	" Feb. 19, 1841.	"	p. 230.	"	"	"	" April, 1841.)
"	" June 18,	"	p. 242.	"	"	"	" Oct. "
"	" Oct. 21, 1842.	"	p. 246.	"	"	"	" Oct. 1842.)
"	" Feb. 19, 1841.—Vol. ix.,	p. 1, 1846.					
"	" June 18,	"	p. 17,	"			
"	" Dec. 16, 1842,	"	p. 24,	"	(In Proceedings Dec. 1842.)		
"	" Aug. 18, 1843,	"	p. 275,	"	(Printed paper dist. Aug. 19,	"	
"	" May 2, 1845.—Vol. x.,	p. 67, 1853.	(In Philos. Proc. Aug. 1845.)				

Catalogue of the Genus Melania Recent, and Fossil.

Vol. x., p. 96. 1853.

Descriptions of new species of the Family Unionidæ. (Read March 5th, 1852.)

Vol. x., p. 253. 1853.

Description of a new Genus (Basistoma) of the Family Melania, together with some new species of the American Melaniae. (Read March 5th, 1852.)

Vol. x., p. 295. 1853.

LEA, ISAAC, LL.D.—(Continued.)

Description of a new species of *Helix* from California, and a new Characteristic Form of certain American Colimaceæ. (Read March 5th, 1852.)

Vol. x, p. 303. 1853.

NOTE.—It will be seen that the Date of Reading of many of Mr. Lea's Papers preceded by several years, that on the Title-page of the Volume in which they were issued. The Transactions were published in Parts, but afford no internal evidence of the date of their issue, which has unfortunately resulted in much uncertainty in regard to the priority of many of the specific names. Mr. Lea has given in the Proceedings of the Academy of Natural Sciences, Vol. vii, p. 236, a list of dates of publication, which I have deemed it important to insert here.—(See References in Parenthesis.) I have also given the date on which some of the articles were issued in the Proceedings of the Philosophical Society. *Mr. Lea claims that the date of publication of a paper, is that on which it is read.*

IN PROCEEDINGS OF THE ACADEMY OF NATURAL SCIENCES, PHILADELPHIA.

Including the principal remarks made by Mr. Lea, before the Society.

Letter from Mr. Lea, respecting change of orthography in specific names of Unionidæ. Dated October 8th, 1842. (Read November 1st, 1842.)

Vol. i, No. 20-21, p. 215. December, 1842.

On the Genus *Acostæa*, D'ORBIGNY. (Communicated October 21st, 1851.)

Vol. v, No. 11, p. 277. October, 1851.

Remarks on the Periodicity of the Family Unionidæ. (March 23d, 1852.)

Vol. vi, No. 2, p. 54. April, 1852.

Description of a new species of *Sympynote Unio*. (Read March 9th, 1852.)

Vol. vi, No. 2, p. 54. April, 1852.

Remarks on the Classification of the Naiades by their Anatomical Differences. (April 6th, 1852.)

Vol. vi, No. 2, p. 57. April, 1852.

Notice of the *Mya nodulosa*. WOOD. (June 14th.)

Vol. vi, No. 9, p. 368. June, 1853.

Letter to Dr. Leidy, on *Castalia sulcata* and other Naiades. (Read August 2d.)

Vol. vi, No. 10, p. 376. August, 1853.

LEA, ISAAC, LL.D.—(Continued.)

Remarks on *Mulleria*. (November 22d, 1853.)

Vol. vi, No. 12, p. 435. December, 1853.

(Remarks on *Gneiss* bored by *Pholas dactylus*. (Dec. 13th.)

Vol. vi, No. 12, p. 438. December, 1853.

Remarks on *Acostoea Guaduasana*. (January 3d.)

Vol. vii, No. 1, p. 1. February, 1854.

Rectification of Mr. T. A. Conrad's "Synopsis of the Family of Naiades of North America," published in the Proceedings of the Academy of Natural Sciences of Philadelphia, February, 1853. (Read February 7th.)

Vol. vii, No. 6, p. 236. December, 1854.

Also Pamphlet.

Description of a new sub-genus of Naiades. (Read April 1st.)

Vol. viii, No. 2, p. 79. April, 1856.

Description of a new species of *Triquetra*, KLEIN, (*Hyria*, LAMARCK.) (Read April 1st.)

Vol. viii, No. 2, p. 79. April, 1856.

Description of new Freshwater Shells from California. (Read April 1st.)

Vol. viii, No. 2, p. 80. April, 1856.

Descriptions of twenty-five new species of Exotic Uniones. (Read April 15th.)

Vol. viii, No. 2, p. 92. April, 1856.

Description of four new species of Exotic Uniones. (Read May 13th.)

Vol. viii, No. 3, p. 103. June, 1856.

Description of thirteen new species of Exotic Peristomata. (Read June 3d.)

Vol. viii, No. 3, p. 109. June, 1856.

Descriptions of fifteen new species of Exotic Melania. (Read July 8th.)

Vol. viii, No. 4, p. 144. August, 1856.

Description of the *Byssus* in the Genus *Unio*. (Read Sept. 23d.)

Vol. viii, No. 5, p. 213. October, 1856.

Description of eleven new species of Uniones from Georgia. (Read November 4th.)

Vol. viii, No. 6, p. 262. December, 1856.

LEA, ISAAC, LL.D.—(Continued.)

Remarks on *Triquetra*. (December 16th.)

Vol. viii, No. 6, p. 300. December, 1856.

Remarks on the Visual Organs of *Unionidæ*. (February 3d.)

New Series, p. 17. February, 1857.

Description of thirteen new species of *Uniones* from Georgia.
(Read February 17th.)

New Series, p. 31. February, 1857.

Description of six new species of *Uniones* from Alabama.
(Read March 24th.)

New Series, p. 83. March, 1857.

Description of eight new species of *Naiades* from various parts
of the United States. (March, 24th.)

New Series, p. 84. March, 1857.

Description of twelve new species of *Naiades* from North Caro-
lina. (Read March 10th.)

New Series, p. 85. March, 1857.

Descriptions of three new Exotic species of *Naiades*. (March
24th.)

New Series, p. 85. March, 1857.

Remarks on *Unio spinosus*. (April 14th.)

New Series, p. 101. April, 1857.

Description of six new species of Freshwater and Land Shells
of Texas and Tamaulipas. (Read April 7th.)

New Series, p. 101. April, 1857.

On change of name of certain *Uniones*. (May 5th.)

New Series, p. 104. May, 1857.

Description of twenty-seven new species of *Uniones* from Geor-
gia. (June 23d.)

New Series, p. 169. June, 1857.

Remarks on the Geographical Distribution of the *Uniones*.
(Read March 23d.)

New Series, p. 13. March, 1858.

Descriptions of new species of *Unio* from Tennessee, Alabama,
and North Carolina. (Read March 23d.)

New Series, p. 40. March, 1858.

LEA, ISAAC, LL.D.—(Continued.)

Descriptions of a new *Helix*, and two new *Planorbes*. (Read March 23d.)

New Series, p. 41. March, 1858.

Remarks on the Soft Parts of *Unionidæ*. (May 18th.)

New Series, p. 114. May, 1858.

Description of four new Freshwater Mollusks from the Isthmus of Darien and Honduras. (Read May.)

New Series, p. 118. May, 1858.

Remarks on *Unio rubiginosus*. (June 15th.)

New Series, p. 135. June, 1858.

Descriptions of seven new species of *Margaritana*, and four new species of *Anodonta*. (Read June 22d.)

New Series, p. 138. June, 1858.

Descriptions of twelve new species of *Uniones*, and other Fresh-water Shells of the United States. (Read July 6th.)

New Series, p. 165. July, 1858.

Remarks on *Triquetra contorta*. (October 12th.)

New Series, p. 179. October, 1858.

Description of eight new species of *Unionidæ* of Georgia, Mississippi, and Texas. (Read April 5th.)

New Series, p. 112. April, 1859.

Descriptions of twenty-one new species of Exotic *Unionidæ*. (Read April 19th.)

New Series, p. 151. May, 1859.

Descriptions of two new species of *Uniones* from Georgia. (Read April 19th.)

New Series, p. 154. May, 1859.

Descriptions of seven new species of *Uniones* from South Carolina, Florida, Alabama, and Texas. (Read May 10th.)

New Series, p. 154. May, 1859.

Description of twelve new species of *Uniones* from Georgia. (Read June 21st.)

New Series, p. 170. June, 1859.

Remarks on Dead Shells of *Anodonta Lewisii*, and *Cyclas*. (July 5th.)

New Series, p. 177. July, 1859.

LEA, ISAAC, LL.D—(Continued.)

Descriptions of four new species of Exotic Unionidæ. (Read July 5th.)

New Series, p. 187. July, 1859.

Change of name of Margaritana Etawahensis, to M. Georgiana. (October 18th.)

New Series, p. 280. October, 1859.

Description of a new species of Unio from the Isthmus of Darien. (Read October 18th.)

New Series, p. 281. October, 1859.

Remarks on Embryonic Shells of Uniones. (December 6th.)

New Series, p. 329. December, 1859.

Descriptions of three new species of Exotic Uniones. (Read December 6th.)

New Series, p. 331. December, 1859.

Remarks on the Number of species of Unionidæ in the United States and Territories. (January 24th.)

New Series, p. 3. January, 1860.

Remarks on Abnormal Shells. (February 11th.)

New Series, p. 51. February, 1860.

Remarks on the Coloring Matter of the Nacre of Uniones. (March 20th.)

New Series, p. 88. March, 1860.

Descriptions of four new species of Unionidæ from Brazil and Buenos Ayres. (Read March 13th.)

New Series, p. 89. March, 1860.

Descriptions of fifteen new species of Uruguayan Unionidæ. (Read March 13th.)

New Series, p. 90. March, 1860.

Descriptions of five new species of Uniones from North Alabama. (Read March 20th.)

New Series, p. 92. March, 1860,

Descriptions of four new species of Melaniadæ of the United States. (Read March 20th.)

New Series, p. 93. March, 1860.

Remarks on a new form of Palpi of Anodonta. (April 10th.)

New Series, p. 97. April, 1860.

LEA, ISAAC, LL.D.—(Continued.)

Remarks on a Letter from Dr. Showalter, concerning Physa.
(May 8th.)

New Series, p. 147. May, 1860.

Description of fourteen new species of Schizostomæ, Anculosæ, and Lithasiæ. (Read May 22d.)

New Series, p. 186. May, 1860.

Descriptions of two new species of Uniones from Georgia.
(Read July 3d.)

New Series, p. 305. July, 1860.

Descriptions of three new Uniones from Mexico. (Read July 3d.)

New Series, p. 305. July, 1860.

Descriptions of seven new species of Unionidæ from the United States. (Read July 3d.)

New Series, p. 306. July, 1860.

Descriptions of six new species of Unionidæ from Alabama.
(Read July 3d.)

New Series, p. 307. July, 1860.

Descriptions of three new species of Exotic Unionidæ. (Read July 3d.)

New Series, p. 307. July, 1860.

Extract of Letter from Bishop Elliot on *Helix Cumberlandiana*, and Remarks thereon. (September 18th.)

New Series, p. 363. September, 1860.

NOTE.—Mr. Lea's written articles published in the Proceedings, are all elaborated in the Journal of the Academy.

IN JOURNAL OF THE ACADEMY OF NATURAL SCIENCES, PHILADELPHIA.
SECOND SERIES.

*These Papers are issued separately in Pamphlet form, and are also contained in the
“Observations on the Genus *Unio*.[”]*

On the Genus *Acostaea* of D'ORBIGNY, a Freshwater Lamellibranchia.

Vol. ii, Part 2, p. 125. January, 1852,

Descriptions of Exotic Genera and species of the Family Unionidæ.

Vol. iii, Part 4, p. 289. February, 1858.

LEA, ISAAC, LL.D.—(Continued.)

Descriptions of the Embryonic Forms of thirty-eight species of Unionidæ.

Vol. iv, Part 1, p. 43. December, 1858.

New Unionidæ of the United States.

Vol. iv, Part 1, p. 51. December, 1858.

Continuation.

Vol. iv, Part 2, p. 191. September, 1859.

Descriptions of Exotic Unionidæ:

Vol. iv, Part 3, p. 235. March, 1860.

New Unionidæ of the United States and Northern Mexico.

Vol. iv, Part 4, p. 327. December, 1860.

IN PROCEEDINGS OF THE ZOOLOGICAL SOCIETY OF LONDON.

Description of a New Genus of the Family Melania, and of many new species of the Genus Melania; chiefly collected by Hugh Cuming, Esq., during his Zoological Voyage to the East, and now first described. By Isaac Lea and Henry C. Lea.

Vol. xviii., No. 212, p. 179. 1850.

Also Pamphlet.

Description of five New species of Anodontæ, collected by Hugh Cuming, Esq., in the East Indies.

Vol. xviii., No. 212, p. 197. 1850.

OBSERVATIONS ON THE GENUS UNIO, TOGETHER WITH DESCRIPTIONS OF NEW GENERA AND SPECIES OF THE FAMILIES NAÏADES, COLIMACEA, MELANIANA, &c. With Plates, many of them colored. Quarto. PHILADELPHIA.

Vol. i., 1832, pp. 230. From Philosophical Transactions, Vols. iii., iv., v.

" ii., 1838, pp. 152. " " " " vi., vii.

" iii., 1842, pp. 88. " " " " viii.

" iv., 1845, pp. 75. " " " " ix. and x, p. 67.

" v., 1852, pp. 62. " " " " x. p. 253, 295, 303.

" vi., 1857-8, p. 96. " Jour. Acad. of Nat. Sciences, " iii. and iv, 43, 51

" vii., 1859, pp. 90. " " " " " iv., p. 191.

Vol. viii., part 1, 1860, pp. 56. " " " " " iv., p. 235, 327.

A SYNOPSIS OF THE FAMILY OF NAÏADES. PHILADELPHIA.

First Edition, (1836,) pp. 62. 8vo.

Second Edition, (1838,) pp. 44. 4to.

Third Edition, (1852,) pp. 88. 4to.

LEA, ISAAC, LL.D.—(Continued.)

REPRINT OF PAPERS READ, AND REMARKS MADE BEFORE THE ACADEMY
OF NATURAL SCIENCES OF PHILADELPHIA, IN 1856-7. 8vo. PHILA-
DELPHIA. 1857.

DESCRIPTION OF A NEW SPECIES OF THE GENUS UNIO. (U. SPINOSUS.)
4to. PHILADELPHIA.

IN CHECK LISTS OF THE SHELLS OF NORTH AMERICA. 8vo. SMITH-
SONIAN INSTITUTION, WASHINGTON, D. C. June, 1860.

—Check List of the Unionidæ.

1863. 3. 27. 10. 20. 11.
1863. 3. 27. 10. 20. 11.

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1863. 3. 27. 10. 20. 11.